



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/694,383

DATE: 09/17/2004

TIME: 11:40:49

Input Set : N:\Crf3\RULE60\10694383.raw
 Output Set: N:\CRF4\09172004\J694383.raw

1 <110> APPLICANT: Kandimalla, Ekambar R.
 2 Zhao, Qiuyan
 3 Yu, Dong
 4 Agrawal, Sudhir
 5 <120> TITLE OF INVENTION: Modulation of Immunostimulatory Activity of
 6 Immunostimulatory
 7 Modified oligodeoxynucleotide phosphorothioate Analogs by
 8 Positional Chemical Changes
 9 <130> FILE REFERENCE: HYZ-479CP (47508.577)
 10 <140> CURRENT APPLICATION NUMBER: US/10/694,383
 11 <141> CURRENT FILING DATE: 2003-10-27
 12 <150> PRIOR APPLICATION NUMBER: CURRENT APPLICATION NUMBER: US/09/965,116
 W--> 13 <151> PRIOR FILING DATE: CURRENT FILING DATE: 2002-03-08
 14 <150> PRIOR APPLICATION NUMBER: US 09/712,898
 15 <151> PRIOR FILING DATE: 2000-11-15
 16 <150> PRIOR APPLICATION NUMBER: US 60/235,452
 17 <151> PRIOR FILING DATE: 2000-09-26
 18 <150> PRIOR APPLICATION NUMBER: US 60/235,453
 19 <151> PRIOR FILING DATE: 2000-09-26
 20 <160> NUMBER OF SEQ ID NOS: 112
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
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 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: synthesis of CpG-PS-oligos containing cytosine analogs
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 30 ctatctgacg ttctctgt 18
 32 <210> SEQ ID NO: 2
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 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 36 <220> FEATURE:
 37 <223> OTHER INFORMATION: synthesis of CpG-PS-oligos containing cytosine analogs
 38 <220> FEATURE:
 39 <221> NAME/KEY: modified_base
 40 <222> LOCATION: 9
 41 <223> OTHER INFORMATION: c = 5-hydroxydeoxycytidine
 42 <400> SEQUENCE: 2
 43 ctatctgacg ttctctgt 18
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 18

ENTERED

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Input Set : N:\CrF3\RULE60\10694383.raw
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47 <212> TYPE: DNA
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54 <223> OTHER INFORMATION: c = 5-hydroxydeoxycytidine
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62 <220> FEATURE:
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64 <220> FEATURE:
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67 <223> OTHER INFORMATION: c = N4-ethyldeoxycytidine
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71 <210> SEQ ID NO: 5
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79 <222> LOCATION: 10
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85 <211> LENGTH: 16
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: synthesis of end-blocked CpG-PS modified
90 oligodeoxynucleotide
91 phosphorothioate
92 <400> SEQUENCE: 6
93 aaggtcgagc gttctc 16
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99 <220> FEATURE:

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 101 oligodeoxynucleotide
 102 phosphorothioate
 103 <400> SEQUENCE: 7
 104 atggcgacg ctgggaga 18
 106 <210> SEQ ID NO: 8
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 108 <212> TYPE: DNA
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 118 <213> ORGANISM: Artificial Sequence
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 121 <220> FEATURE:
 122 <221> NAME/KEY: modified_base
 123 <222> LOCATION: 10
 124 <223> OTHER INFORMATION: g = 1',2'-Dideoxyribose
 125 <400> SEQUENCE: 9
 126 cctactagcg ttctcatc 18
 128 <210> SEQ ID NO: 10
 129 <211> LENGTH: 18
 130 <212> TYPE: DNA
 131 <213> ORGANISM: Artificial Sequence
 132 <220> FEATURE:
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 134 <220> FEATURE:
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 137 <223> OTHER INFORMATION: g = 1',2'-Dideoxyribose
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 149 <222> LOCATION: 7
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 152 cctactagcg ttctcatc 18

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Input Set : N:\Crf3\RULE60\10694383.raw
Output Set: N:\CRF4\09172004\J694383.raw

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161 <221> NAME/KEY: modified_base
162 <222> LOCATION: 6
163 <223> OTHER INFORMATION: t = 1',2'-Dideoxyribose
164 <400> SEQUENCE: 12
165 cctactagcg ttctcatc 18
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 18
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
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173 <220> FEATURE:
174 <221> NAME/KEY: modified_base
175 <222> LOCATION: 5
176 <223> OTHER INFORMATION: c = 1',2'-Dideoxyribose
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178 cctactagcg ttctcatc 18
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186 <220> FEATURE:
187 <221> NAME/KEY: modified_base
188 <222> LOCATION: 4
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195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
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199 <220> FEATURE:
200 <221> NAME/KEY: modified_base
201 <222> LOCATION: 4
202 <223> OTHER INFORMATION: a = 1',2'-Dideoxyribose
203 <400> SEQUENCE: 15
204 cctactagcc ttctcatc 18
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RAW SEQUENCE LISTING

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Input Set : N:\CrF3\RULE60\10694383.raw
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207 <211> LENGTH: 18
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: modified oligodeoxynucleotide phosphorothioate
212 <220> FEATURE:
213 <221> NAME/KEY: modified_base
214 <222> LOCATION: 11
215 <223> OTHER INFORMATION: t = 1',2'-Dideoxyribose
216 <400> SEQUENCE: 16
217 cctactagcg ttctcatc 18
219 <210> SEQ ID NO: 17
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221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
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226 <221> NAME/KEY: modified_base
227 <222> LOCATION: 12
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238 <220> FEATURE:
239 <221> NAME/KEY: modified_base
240 <222> LOCATION: 13
241 <223> OTHER INFORMATION: c = 1',2'-Dideoxyribose
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247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
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252 <221> NAME/KEY: modified_base
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259 <211> LENGTH: 18

VERIFICATION SUMMARY

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DATE: 09/17/2004

TIME: 11:40:50

Input Set : N:\Crf3\RULE60\10694383.raw
Output Set: N:\CRF4\09172004\J694383.raw

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